

Application No.: 500.41280X00

Docket No.: 500.41280X00

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. – 3. (Canceled)

4. (Original) An organic light-emitting element comprising:
an organic electroluminescent substrate having at least a first electrode, an organic layer and a second transparent electrode formed on a substrate;
a counter substrate; and
a light extraction layer and an auxiliary electrode for the second transparent electrode, both provided between the organic electroluminescent substrate and the counter substrate.

5. (Original) An organic light-emitting element comprising:
an organic electroluminescent substrate having at least a first electrode, an organic layer and a second transparent electrode formed on a substrate;
a counter substrate; and
a light extraction layer and an auxiliary electrode for the second transparent electrode, both provided between the organic electroluminescent substrate and the counter substrate;
wherein a total thickness d of a layer ranging from a light-emitting area in the organic layer to the second transparent electrode satisfies an equation:

Application No.: 500.41280X00

Docket No.: 500.41280X00

$d \leq \lambda/4$ (λ : center wavelength of emitted light).

6. (Currently Amended) An organic light-emitting element according to claim 24, wherein a rib is provided between the organic electroluminescent substrate and the counter substrate to control a thickness of the light extraction layer.

7. (Original) An organic light-emitting element according to claim 6, wherein the thickness of the light extraction layer is 50 μm or more.

8. (Original) An organic light-emitting element according to claim 6, wherein the rib is formed on the counter substrate.

9. (Original) An organic light-emitting element according to claim 8, wherein the rib is formed from glass or optically cured resin.

10. (Original) An organic light-emitting element according to claim 8, wherein the rib is formed on a sealed portion of the organic electroluminescent substrate and the counter substrate.

11. (Currently Amended) An organic light-emitting element according to claim 24, wherein color filters are formed between the organic electroluminescent substrate and the counter substrate.

Application No.: 500.41280X00

Docket No.: 500.41280X00

12. (Original) An organic light-emitting element according to claim 11, wherein the color filters are formed on the counter substrate.

13. (Currently Amended) An organic light-emitting element according to claim 24, wherein a moisture absorbing layer is provided on the counter substrate.

14. (Currently Amended) An organic light-emitting element according to claim 24, wherein a moisture absorbing layer is provided around a portion sealing the organic electroluminescent substrate and the counter substrate.

15. (Original) An organic light-emitting element according to claim 4, wherein the auxiliary electrode is formed between pixels.

16. (Original) An organic light-emitting element according to claim 4, wherein the auxiliary electrode is formed between pixels formed on the counter substrate.

17. (Original) An organic light-emitting element according to claim 4, wherein the auxiliary electrode is formed on the second transparent electrode.

18. (Original) An organic light-emitting element according to claim 17, wherein a bonding layer is provided to bring the second transparent electrode and the auxiliary electrode into ohmic contact with each other.

Application No.: 500.41280X00

Docket No.: 500.41280X00

19. (Currently Amended) An organic light-emitting element according to claim 14, wherein the second transparent electrode is formed from a very thin metal film with a high transmissivity.

20. (Currently Amended) An organic light-emitting display using the organic light-emitting element of claim 14.

21. (Original) An organic light-emitting display according to claim 20, wherein the organic light-emitting element corresponds to each of red, green and blue in each pixel.

22. (Currently Amended) An organic light-emitting display according to claim 20, wherein the second transparent electrode of the organic light-emitting element is formed from a very thin metal film with a high transmissivity.

23. (Original) A mobile phone using the organic light-emitting display of claim 20 in a display portion.

24. (New) A organic light-emitting element according to claim 4, wherein said first electrode is a transparent electrode.

25. (New) A organic light-emitting element according to claim 5, wherein said first electrode is a transparent electrode.

Application No.: 500.41280X00

Docket No.: 500.41280X00

26. (New) A organic light-emitting element according to claim 12, wherein said first electrode is a transparent electrode, wherein white light is emitted from said second transparent electrode into said light extraction layer, and wherein colored light is emitted from said counter substrate.

27. (New) An organic light-emitting element comprising:
an organic electroluminescent substrate having at least a first electrode, an organic layer and a second transparent electrode formed on a substrate;
a counter substrate; and
a light extraction layer and means for lowering resistance for the second transparent electrode, both provided between the organic electroluminescent substrate and the counter substrate.

28. (New) An organic light-emitting element according to claim 27, wherein said means for lowering resistance comprises an auxiliary electrode for the second transparent electrode located between the second transparent electrode and the counter substrate.

29. (New) An organic light-emitting element according to claim 27, wherein said means for lowering resistance lowers the resistance for the second transparent electrode by at least 1/1000.

Application No.: 500.41280X00

Docket No.: 500.41280X00

30. (New) An organic light-emitting element according to claim 28, wherein said means for lowering resistance lowers the resistance for the second transparent electrode by at least 1/1000.

31. (New) An organic light-emitting element according to claim 28, wherein a rib is provided over the auxiliary electrode between the organic electroluminescent substrate and the counter substrate to control a thickness of the light extraction layer.

32. (New) An organic light-emitting element according to claim 31, wherein the thickness of the light extraction layer is 50 μm or more.

33. (New) An organic light-emitting element according to claim 31, wherein the rib is formed on the counter substrate.

34. (New) An organic light-emitting element according to claim 31, wherein the rib is formed from glass or optically cured resin.

35. (New) An organic light-emitting element according to claim 33, wherein the rib is formed on a sealed portion of the organic electroluminescent substrate and the counter substrate.

Application No.: 500.41280X00

Docket No.: 500.41280X00

36. (New) An organic light-emitting element according to claim 31, wherein color filters are formed between the organic electroluminescent substrate and the counter substrate.

37. (New) An organic light-emitting element according to claim 36, wherein the color filters are formed on the counter substrate.

38. (New) An organic light-emitting element according to claim 31, wherein a moisture absorbing layer is provided on the counter substrate.

39. (New) An organic light-emitting element according to claim 31, wherein a moisture absorbing layer is provided around a portion sealing the organic electroluminescent substrate and the counter substrate.

40. (New) An organic light-emitting element according to claim 31, wherein the auxiliary electrode is formed between pixels.

41. (New) An organic light-emitting element according to claim 31, wherein the auxiliary electrode is formed between pixels formed on the counter substrate.

42. (New) An organic light-emitting element according to claim 31, wherein a bonding layer is provided to bring the second transparent electrode and the auxiliary electrode into ohmic contact with each other.

Application No.: 500.41280X00

Docket No.: 500.41280X00

43. (New) An organic light-emitting element according to claim 31, wherein the second electrode is formed from a very thin metal film with a high transmissivity.

44. (New) An organic light-emitting display using the organic light-emitting element of claim 31.

45. (New) An organic light-emitting display according to claim 44, wherein the organic light-emitting element corresponds to each of red, green and blue in each pixel.

46. (New) An organic light-emitting display according to claim 44, wherein the second transparent electrode of the organic light-emitting element is formed from a very thin metal film with a high transmissivity.

47. (New) A mobile phone using the organic light-emitting display of claim 44 in a display portion.

48. (New) An organic light-emitting element according to claim 31, wherein said first electrode is a transparent electrode.